

**052-12Y-1011**  
**Provide Geospatial Information and Knowledge in Support of Operations**  
**Status: Approved**

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**Security Classification:** U - Unclassified

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD3** - This training product has been reviewed by the developers in coordination with the Fort Leonard Wood/ MSCoE foreign disclosure officer. This training product cannot be used to instruct international military students.

**Conditions:** In an operational environment, you have been directed to provide geospatial information and knowledge in support of operations. You are given guidance, an area of operation, an operational network, and the most current Army Geospatial System of Record (AGSOR). Some iterations of this task should be performed in MOPP 4.

**Standards:** Provide geospatial information and knowledge in support of operations by determining geospatial requirements, distributing geospatial information and knowledge, and verifying geospatial information and knowledge met mission requirements IAW operational guidance, Army geospatial standards, NSG guidance, unit standard operating procedure (SOP), ADP 3-0, ATP 3-34.80, and AR 115-11, with 100% compliance or without error, while utilizing the GO/NO-GO criteria.

**Special Conditions:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

Task Statements

**Cue:** You have been directed to provide geospatial information and knowledge in support of operations.

DANGER

None

WARNING

None

CAUTION

None

**Remarks:** None

**Notes:** Methods to complete this task will be dependent on current Tactics, Techniques, and Procedures (TTPs) and the Geographic Information System (GIS).

## Performance Steps

1. Determine geospatial information and knowledge requirements. (see Task 052-12Y-1012)
2. Distribute geospatial information and knowledge.  
 Note: Dissemination of geospatial information and knowledge methods will be dependent on the Common Operating Environment (COE), Geographic Information System (GIS) and determined geospatial requirements.
  - a. Publish geospatial services to mission command systems.
  - b. Provide soft-copy information and knowledge.
  - c. Provide hardcopy cartographic products.
3. Verify geospatial information and knowledge met mission requirements.
  - a. Review initial geospatial information and knowledge requirement(s).
  - b. Communicate with supervisor.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier "GO" if all required steps are passed (P). Score the Soldier "NO-GO" if any required step is failed (F). If the Soldier fails any step, show the Soldier how to do it correctly.

**Evaluation Preparation:** Ensure the Soldier has all items listed in the conditions statement. Brief Soldier prior to performance of this task.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Determined geospatial information and knowledge requirements.			
2. Distributed geospatial information and knowledge.			
3. Verified geospatial information and knowledge met mission requirements.			

### Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	ADP 3-0	Operations	Yes	No	
	AR 115-11	GEOSPATIAL INFORMATION AND SERVICES	Yes	No	
	ATP 3-34.80	Geospatial Engineering <a href="http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp3_34x80.pdf">http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp3_34x80.pdf</a>	Yes	Yes	
	UNIT SOP	Unit / Unit's Standard Operating Procedure SOP	Yes	No	

**TADSS :** None

**Equipment Items (LIN):** None

### Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW current CBRN doctrine.

#### Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
052-12Y-1008	Employ Geospatial Information Management Techniques	052 - Engineer (Individual)	Approved
052-12Y-1002	Employ Principles of Geographic Information Systems (GIS) to Solve a Geospatial Problem	052 - Engineer (Individual)	Approved
052-12Y-1012	Determine Geospatial Engineering Requirements to Support Operations	052 - Engineer (Individual)	Approved

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

#### Knowledges :

Knowledge ID	Knowledge Name
K282	Know the geospatial information types
K281	Know what the Standard Sharable Geospatial Foundation (SSGF) is
K280	Know what the Ground-Warfighter Geospatial Database Model (GGDM) is
K30206	Know the Operations Process
K30207	Know Warfighting Functions
K25195	Knowledge of metadata as it pertains to geospatial data
K30209	Understand the characteristics of military operations
K30243	Knowledge of metadata as it pertains to geospatial information and knowledge
K30241	Comprehend features, terrain, location or other information from softcopy geospatial data
K30256	Know the Common Operating Environment (COE)

#### Skills :

Skill ID	Skill Name
S7806	Evaluate the Common Operating Environment (COE)
S7787	Assess quality and accuracy of geospatial information
S7797	Utilize the Ground-Warfighter Geospatial Database Model (GGDM)
S7788	Apply Cartographic Principles
S7765	Integrate into the Operations process
301-S-457	Operate a geospatial application/tool.
S7798	Utilize the Standard Sharable Geospatial Foundation (SSGF)
S7767	Provide Geospatial Support to Warfighting Functions
S3908	Ability to assess geospatial data and information

**ICTL Data :** None